

INTERNATIONAL SEARCH REPORT

 International application No.
 PCT/US2009/038932

A. CLASSIFICATION OF SUBJECT MATTER

IPC(B) - A61F 2/18 (2009.01)

USPC - 600/25

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(B) - A61B5/12, 7/02; A61F2/18, 11/00; A61H1/00, A61N1/00; H04R25/00, 25/02, 25/04 (2009.01)

USPC - 73/585, 181/130, 135, 381/23.1, 600/25, 585, 601/47, 607/46, 56, 137; 623/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0026091 A1 (LEYSIEFFER) 28 February 2002 (28.02.2002) entire document	1-3, 6, 7, 10, 15-19, 22, 23, 26, 31-33, 36, 39

Y		4, 5, 8, 9, 11-14, 20, 21, 24, 25, 27-30, 34, 35, 37, 38, 40
Y	US 5,277,694 A (LEYSIEFFER et al) 11 January 1994 (11.01.1994) entire document	4, 5, 20, 21, 24, 25, 34, 35
Y	US 2005/0015133 A1 (IBRAHIM et al) 20 January 2005 (20.01.2005) entire document	8, 9, 11, 27, 37, 38, 40
Y	EP 0 836 363 A1 (BACHLER) 15 April 1998 (15.04.1998) entire document	12-14, 28-30

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents; such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

22 May 2009

Date of mailing of the international search report

05 JUN 2009

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